

## INTERNATIONAL SEARCH REPORT

Int. Application No  
PCT/IB2004/052688

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01L21/02 H01L21/312 H01L21/311

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 115 156 A (SEIKO EPSON CORPORATION) 11 July 2001 (2001-07-11) paragraph '0068! - paragraph '0086!	1-13
X	US 5 792 592 A (UCHIDA ET AL) 11 August 1998 (1998-08-11) column 2, line 54 - column 4, line 60	1,2

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
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- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

19 May 2005

Date of mailing of the international search report

27/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Rodríguez-Gironés, M

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/IB2004/052688

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1115156	A	11-07-2001	EP 1115156 A1	11-07-2001
			US 2002142491 A1	03-10-2002
			US 6420190 B1	16-07-2002
			CN 1319254 A ,C	24-10-2001
			CN 1574287 A	02-02-2005
			WO 0075992 A1	14-12-2000
			TW 473998 B	21-01-2002
<hr/>				
US 5792592	A	11-08-1998	JP 10097069 A	14-04-1998
			WO 9744712 A1	27-11-1997
			US 6022669 A	08-02-2000
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